

LISTING OF THE CLAIMS

This listing of claims, amended as indicated below, replaces all prior versions, and listings, of claims in the application

Claims 1-12

13. (Currently Amended) ~~A device as in claim 12, wherein~~ A small thin disc configured and sized for insertion in a battery cavity between a load device and the battery having an automatic shut off timing device whose action is inhibited by a motion detector, the automatic shut off timing device includes further comprising:

an electronic switch operable between a conductive and a non-conductive state to selectively connect the battery to the load device;

a timer operable to initiate a timing interval in response to motion sensed by the motion detector; and

a control circuit responsive to signals from the timer to operate the electronic switch to connect the battery to the load device only during the timing interval.

14. (Previously Presented) A device as in claim 13, wherein the control circuit is operative to gradually vary the conductive state of the electronic switch between a fully conductive state and a fully non-conductive state so that current flow from the battery to the load device does not change abruptly when the load device is turned on and off.

15. (Canceled)

16. (Currently Amended) A device as in claim 14, including the motion detector operative to reset the timer so that the battery powered device continues to operate as long as there is some motion during the timing period before shut-off; wherein

the timer is operative when reset to provide a first output signal during the predetermined timing interval and a second output signal after conclusion of the timing interval; and

the control unit is responsive to the first output signal to drive the electronic switch into the conductive state, and responsive to the second output signal to drive the electronic switch into the non-conductive state;

whereby the battery is connected to the load device through the first and second terminals only during the timing interval.

Claims 17-23. (Canceled)